Department of Materials Science and Engineering

Minor in Electronic Materials

MSEM

Name (please print): ____________________________________________________________________________

(Last)                                                     (First)                                                (Middle)

Student Number: ___________________________

Primary Major: _____________________________   Expected Major Completion Term: _________________

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**Required Courses (8 credits)**

- EE3291 Photonic Materials & Devices (3) **OR**
- MY3292 Light and Photonic Materials (3)

- MY2100 Intro to Mat Science & Engineering (3)
- MY3701 Semiconductor Materials (2)

**Elective Courses - Select at least 8 hours from the following:**

- EE3140 Electromagnetism (3)
- MY3200 Materials Characterization I (4)
- MY3210 Materials Characterization II (4)
- MY4140 Science of Ceramic Materials (3)
- MY4200 Scanning Electron Microscopy (2)
- MY4201 Intro to SEM Lab (1)
- MY/EE4240 Introduction to MEMS (4)
- MY4990 Undergraduate Research (1-3)
- MY/EE5430 Electronic Materials (3)
- MY/EE5460 Solid State Devices (3)
- MY/EE5470 Semiconductor Fabrication (3)
- MY/EE5490 Solar Photovoltaic Technology (3)
- PH3480 Advanced Physics Laboratory (2)

Courses listed in this minor have the following prerequisites (shown in parenthesis). Concurrency is illustrated by the letter C:

EE3140 (PH2200 and MA3160)
EE3291 (EE2190 or EE3140 or PH2400)
MY2100 (CH1150)
MY3200 (MY2110)
MY3292 (PH2200 or EE2190 or EE3140)
MY3701 (PH2400)
MY4140 (MY2100)
PH3480 (PH2230)

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Credits Required = 16
Total Credits ________

Student ____________________________ Date ____________
Department Advisor ____________________________ Date ____________

Academic Year 2014-15